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Civil Engineering

ENVIRONMENTAL QUALITY

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1. Achieving and maintaining environmental quality is an essential part of the Air Force mission. The Air Force is committed to: cleaning up environmental damage resulting from its past activities; meeting all environmental standards applicable to its present operations; planning its future activities to minimize environmental impacts; managing responsibly the irreplaceable natural and cultural resources it holds in public trust; and eliminating pollution from its activities wherever possible. This directive establishes policies to carry out this commitment. Revised material is indicated by a |.

2. The Air Force will conduct its activities according to national environmental policy. Commanders at all levels are responsible for full compliance with national and Air Force environmental policy. All Air Force employees, including military, civilian, and contractor personnel, are accountable for the environmental consequences of their actions.

3. An Air Force Environmental Quality Program will be developed and implemented. This program will be composed of four pillars: cleanup, compliance, conservation, and pollution prevention.

3.1. Cleanup. The Air Force will reduce health and environmental risks created or caused by past operations. At each installation, the Air Force will move as rapidly as possible to identify, characterize, and clean up contamination. The Air Force will ensure open, unbiased, and comprehensive processes for cost-effective cleanup and protection of human health and public well-being by involving the public and regulatory agencies in the clean-up activities. At locations in foreign countries, the Air Force will restore sites contaminated by Air Force activities to sustain current operations and eliminate known imminent and substantial dangers to human health and safety.

3.2. Compliance. The Air Force will comply with applicable Federal, State, and local environmental laws and standards. Air Force activities in foreign countries will comply with the Department of Defense (DoD) Final Governing Standards, or in their absence, the environmental criteria of the DoD Overseas Environmental Baseline Guidance Document. Air Force deployment plans will identify the necessary resources and assign specific responsibilities to comply with applicable standards. Consistent with security requirements, the Air Force will support environmental compliance inspections of its operations and activities worldwide, and will aggressively correct areas not in compliance.

3.3. Conservation. The Air Force will conserve natural and cultural resources through effective environmental planning. The environmental consequences of proposed actions and reasonable alternatives will be integrated into all levels of decision making. The environmental resources under Air Force stewardship will be protected and managed in the public interest. Environmental opportunities and constraints will be the foundation of comprehensive plans for installation development.

3.4. Pollution Prevention. The Air Force will prevent future pollution by reducing use of hazardous materials and releases of pollutants into the environment to as near zero as feasible. This will be done first through source reduction, e.g. chemical substitution, process change and other techniques. Where environmentally damaging materials must be used, their use will be minimized. When the use of hazardous materials cannot be avoided, the spent material and waste will be reused or recycled whenever possible. When spent material and waste cannot be reused or recycled, dispose of the spent material and waste as a last resort in an environmentally safe manner, consistent with the requirements of all applicable laws. Environmental costs will be accounted for in computing hazardous material life-cycle costs.

4. The Air Force will seek sufficient funding to carry out all environmental activities needed to meet its legal obligations. All funds appropriated by the Congress for these activities will be administered responsibly.

5. This directive establishes the following authorities and responsibilities:

5.1. The Assistant Secretary of the Air Force for Manpower, Reserve Affairs, Installations and Environment (SAF/MI) is responsible for environmental protection policy matters as described in AFPD 90-1, *Strategic Planning and Policy Formulation*, 5.2.paragraph 1.5.2.

5.2. The Civil Engineer (HQ USAF/CE) formulates policy, oversees its execution, and issues essential guidance.

5.3. The Air Force Center for Environmental Excellence and the Air Force Civil Engineering Support Agency provide technical and contracting support to implement these policies.

5.4. The National Guard Bureau and Headquarters Air Force Reserve advocate and oversee their environmental protection program, reporting to HQ USAF/CE or SAF/MI as appropriate.

5.5. Commanders of major commands (MAJCOM) and lower echelons develop and execute programs to comply with these policies.

6. See **Attachment 1** for the measures of compliance.

7. See **Attachment 2** for terms used in this directive.

8. See **Attachment 3** for the directives and laws associated with this directive.

9. See **Attachment 4** for publications that interface with this directive.

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The Civil Engineer

Attachment 1

MEASURING COMPLIANCE WITH THIS POLICY

A1.1. Compliance with this policy will be measured at each base and reported through the MAJCOM to the Headquarters US Air Force Civil Engineer Directorate of Environmental Quality on the Work Information Management System--Environmental Subsystem as prescribed in AFI 32-7002, *Environmental Information Management System* and AFI 32-7006, *Environmental Program in Foreign Countries*.

A1.2. Cleanup. For locations in the United States, its territories, and possessions, adherence to the cleanup policy will be assessed by measuring the percentage of sites in the high risk, medium risk, low risk, or no further action planned categories (**Figure A1.1.**).

A1.3. Environmental Compliance. Adherence to the environmental compliance policy will be assessed by measuring the current total number of open enforcement actions (**Figure A1.2.**).

A1.4. Conservation. Adherence to the conservation policy will be assessed by measuring the percentage of installations that have updated complete comprehensive plans (**Figure A1.3.**). A complete comprehensive plan includes (1) environmental constraints such as natural and cultural resource areas and installation restoration program sites, (2) existing infrastructure such as mainline utilities, roads, and facilities, (3) a land use plan for future development, and (4) a capital improvements plan.

A1.5. Pollution Prevention. Adherence to the pollution prevention policy will be assessed by measuring the amount of hazardous wastes (**Figure A1.4.**) and solid wastes (**Figure A1.5.**) sent off installation to disposal, and those numbers compared to the respective values for the baseline year (CY 92).

Figure A1.1. Sample Metric of Site Risk Reduction Trend.

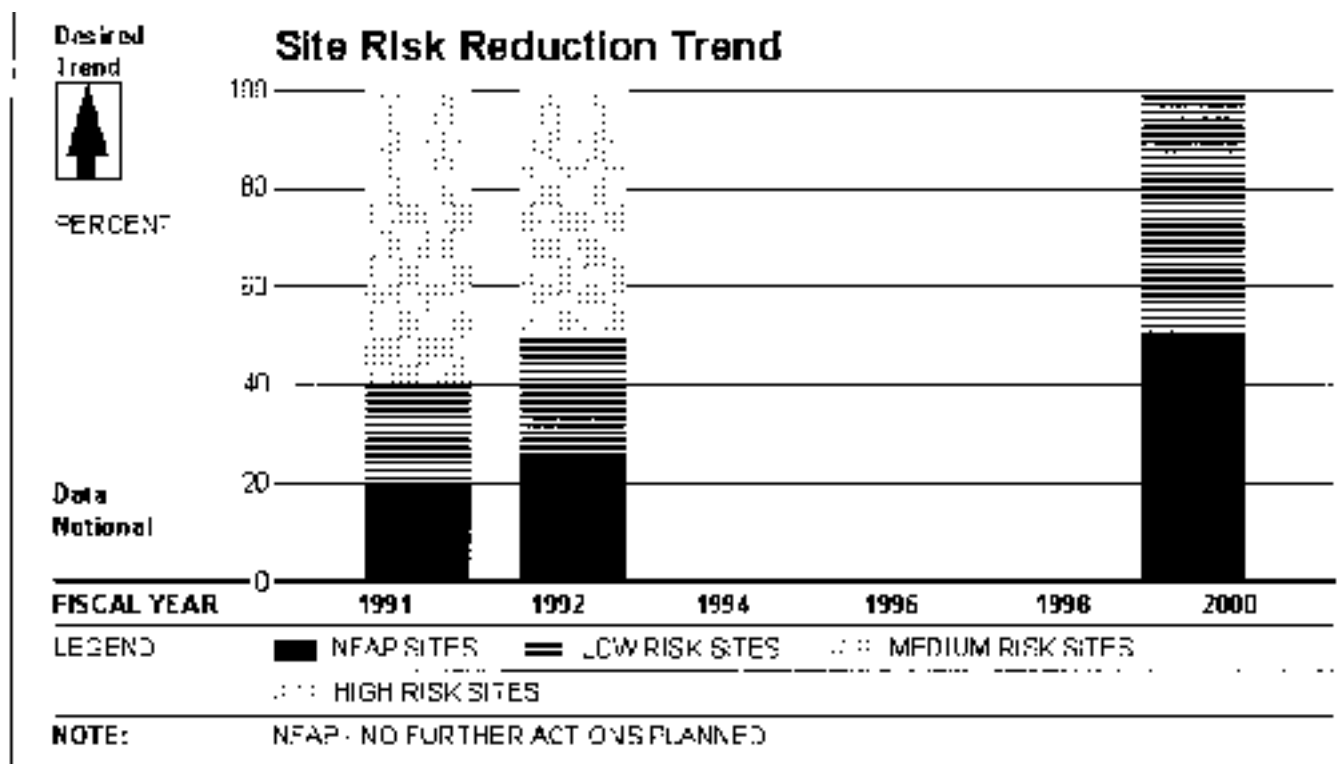


Figure A1.2. Sample Metric of Open Enforcement Action Trend.

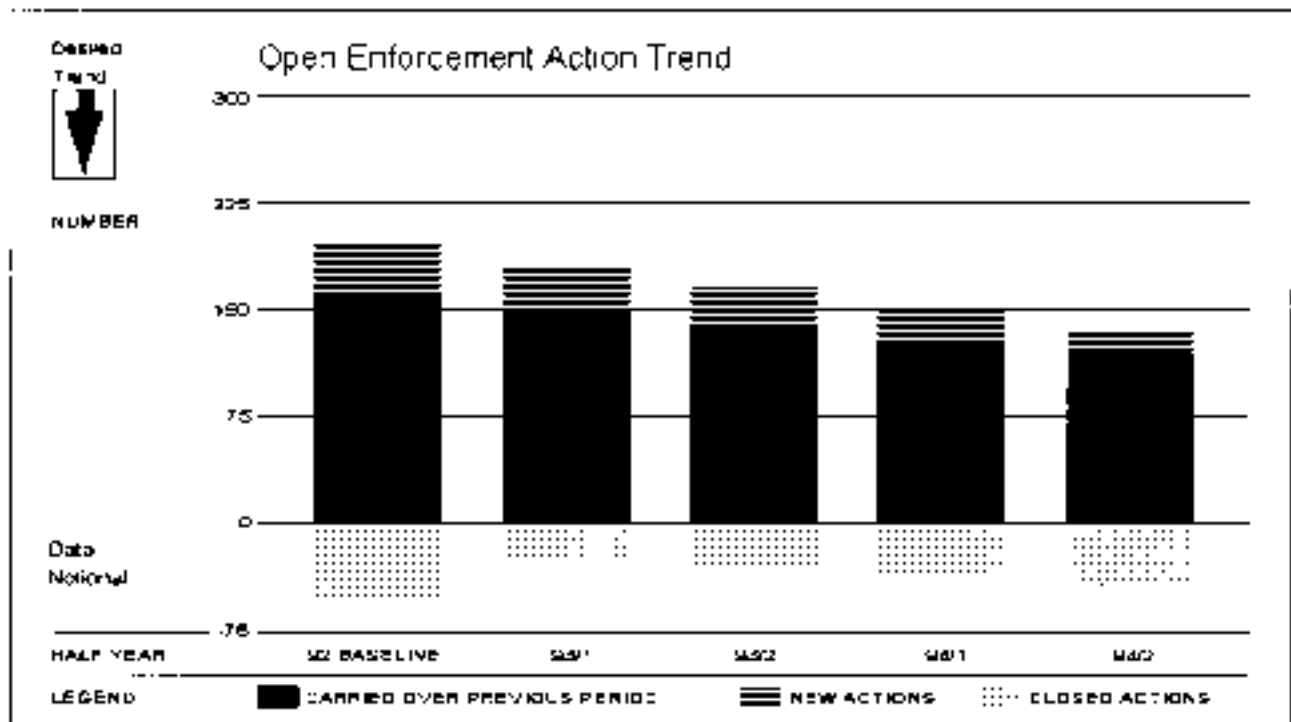


Figure A1.3. Sample Metric of Comprehensive Plan Preparation Trend.

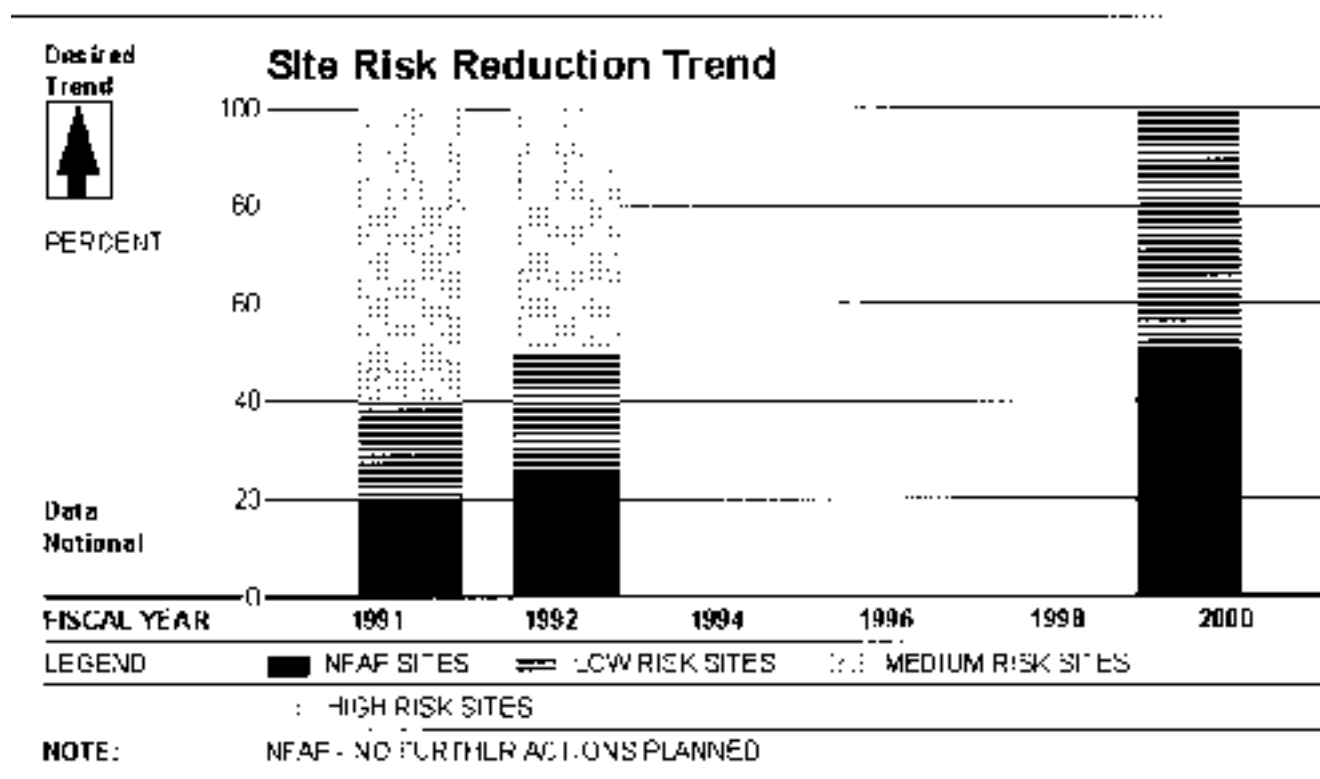


Figure A1.4. Sample Metric of Hazardous Waste Disposal Trend.

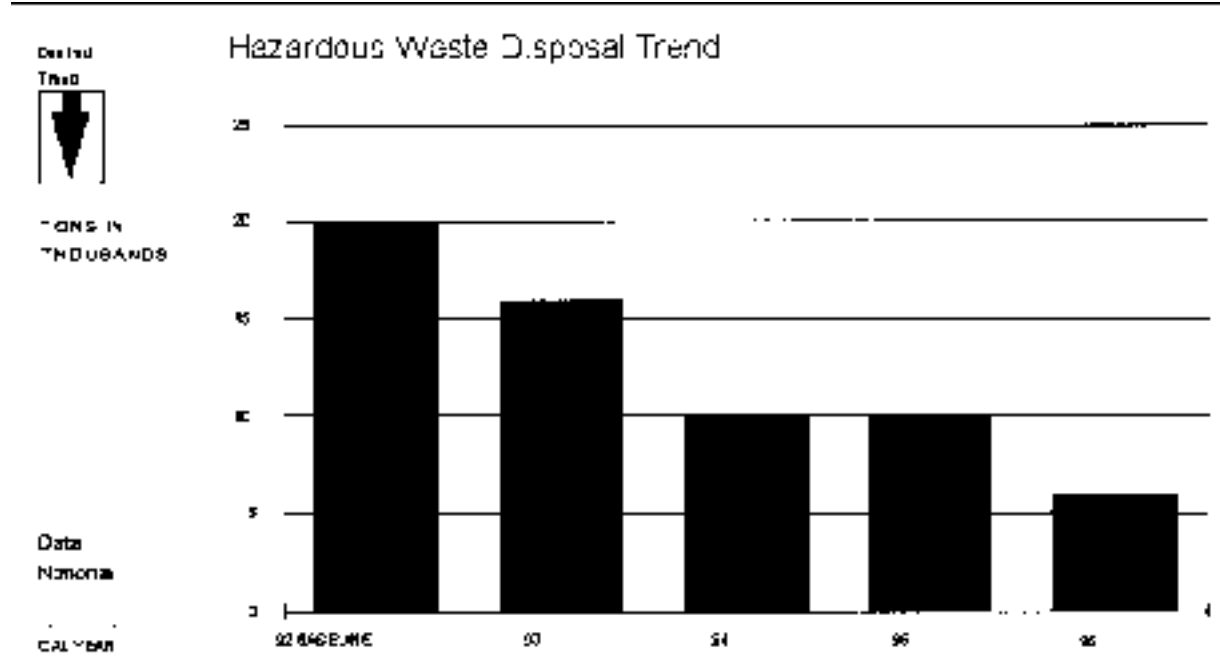
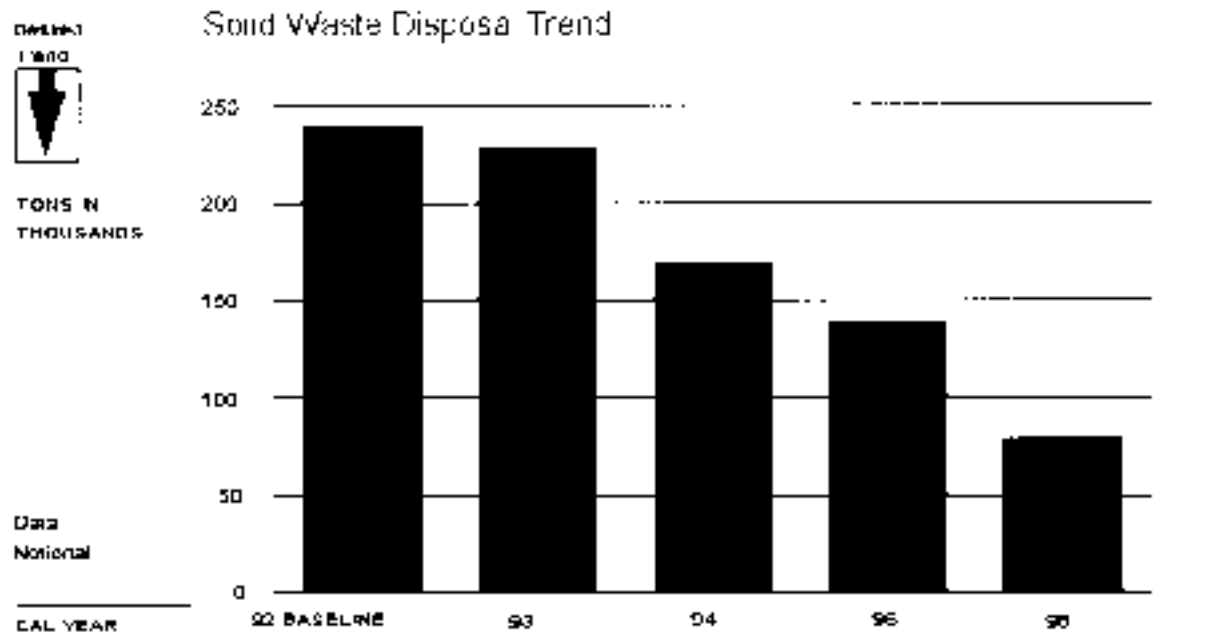


Figure A1.5. Sample Metric of Solid Waste Disposal Trend.



Attachment 2

TERMS EXPLAINED

Terms

Department of Defense (DoD) Final Governing Standards.—Country-specific substantive provisions, typically technical limitations on effluent, discharges, etc., or a specific management practice, with which DoD components must comply (see DoD Directive 6050.16, *DoD Policy for Establishing and Implementing Environmental Standards at Overseas Installations*).

Enforcement Action.—A written notice from a Federal, state, or local regulatory authority citing violations of environmental statutes or regulations. This includes warning letters as determined by the Regional Compliance Office. In foreign countries, an enforcement action is a written notice from a host nation regulatory authority; however, the cited conditions must also be out of compliance with the DoD Final Governing Standards (or Overseas Environmental Baseline Guidance Document), or identify contamination posing an imminent and substantial endangerment to human health and safety.

Overseas Environmental Baseline Guidance Document.—Implementation guidance, procedures and criteria for environmental compliance at DoD installations in foreign countries. This document is used to develop Final Governing Standards and, in the case where no Final Governing Standards exist, provides the compliance criteria for use by the Air Force.

Attachment 3

DIRECTIVES AND LAWS IMPLEMENTED BY THIS POLICY

A3.1. This directive implements statutes and international protocols, as currently amended, including:

Clean Air Act (July 14, 1955).

Clean Water Act (October 18, 1972).

Comprehensive Environment Response Compensation and Liability Act of 1980 (December 11, 1980).

Emergency Planning and Community Right-to-Know Act of 1986 (October 17, 1986).

Endangered Species Act (November 10, 1978).

Federal Facilities Compliance Act of 1992 (October 6, 1992).

Montreal Protocol of Substances That Deplete the Ozone Layer (September 1987).

National Defense Authorization Act for FY 1993 (October 1, 1992).

National Environmental Policy Act of 1969 (January 1, 1970).

National Historic Preservation Act (October 15, 1966).

Oil Pollution Act of 1990 (August 18, 1990).

Pollution Prevention Act of 1990 (November 5, 1990).

Public Law 97-214, 10 U.S.C. Section 2577, Disposal of Recyclable Materials (July 12, 1982).

Resource Conservation and Recovery Act (October 21, 1976).

Safe Drinking Water Act (December 16, 1974).

Sikes Act (December 31, 1982).

Superfund Amendments and Reauthorization Act of 1986 (October 17, 1986).

Toxic Substance Control Act (October 11, 1976).

Water Quality Act of 1987 (February 4, 1987).

A3.2. This directive implements the following Executive Orders as currently amended:


<u>Executive Order</u>	<u>Title</u>	<u>Date</u>
11593	<i>Protection and Enhancement of the Cultural Environment</i>	May 13, 1971
11988	<i>Flood Plain Management</i>	May 24, 1977
11990	<i>Protection of Wetlands</i>	May 24, 1977

<u>Executive Order</u>	<u>Title</u>	<u>Date</u>
12088	<i>Federal Compliance With Pollution Control Standards</i>	October 13, 1978
12114	<i>Environmental Effects Abroad of Major Federal Actions</i>	January 4, 1979
12580	<i>Superfund Implementation</i>	July 23, 1987
12777	<i>Implementation of the Federal Water Pollution Control Act and Oil Pollution Control Act</i>	October 18, 1991
👉12856	<i>Federal Compliance with Right-to-Know Laws and Pollution Prevention Requirements</i>	August 4, 1993
👉12873	<i>Federal Acquisition, Recycling, and Waste Prevention</i>	October 20, 1993
👉12902	<i>Energy Efficient and Water Conservation at Federal Facilities</i>	March 8, 1994

A3.3. This directive implements DoD publications including:

<u>Publication Number</u>	<u>Publication Title</u>	<u>Date</u>
DoD Instruction 4120.14	<i>Environmental Pollution Prevention, Control and Abatement</i>	August 30, 1977
DoD Instruction 4165.57, With Change 1	<i>Air Installation Compatible Use Zones</i>	November 8, 1977
DoD Instruction 4165.59	<i>DoD Implementation of the Coastal Zone Management Program</i>	December 29, 1975

<u>Publication Number</u>	<u>Publication Title</u>	<u>Date</u>
DoD Directive 4165.60	<i>Solid Waste Management Collection, Disposal, Resource Recovery and Recycling Program</i>	October 4, 1976
DoD Directive 4210.15	<i>Hazardous Materials Pollution Prevention</i>	July 27, 1989
DoD Instruction 4700.2	<i>Secretary of Defense Awards for Natural Resources and Environmental Management</i>	July 15, 1988
DoD Directive 4700.4	<i>Natural Resource Management Program</i>	January 24, 1989
DoD Directive 4710.1	<i>Archaeological and Historical Resources Management</i>	June 21, 1984
DoD Directive 5030.41, With Change 1	<i>Oil and Hazardous Substances Pollution Prevention and Contingency Program</i>	June 1, 1977
DoD Directive 5100.50, With Changes 1 and 2	<i>Protection and Enhancement of Environmental Quality</i>	May 24, 1973
DoD Directive 6050.1	<i>Environmental Effects in the United States of DoD Actions</i>	July 30, 1979
DoD Directive 6050.7	<i>Environmental Effects Abroad of Major Department of Defense Actions</i>	March 31, 1979
DoD Directive 6050.8	<i>Storage and Disposal of Non-DoD Owned Hazardous or Toxic Materials on DoD Installations</i>	February 27, 1986
DoD Directive 6050.9	<i>Chlorofluorocarbons (CFCs) and Halons</i>	February 13, 1989


Publication Number**Publication Title****Date** DoD Directive 6050.16

DoD Policy for Establishing and Implementing Environmental Standards at Overseas Installations September 20, 1991

DoD Directive 6230.1

Safe Drinking Water

April 24, 1978

 DoD Instruction 7310.1

Disposition of Proceeds from DoD Sales of Surplus Personal Property July 10, 1989

Attachment 4


RELATED PUBLICATIONS

A4.1. This directive interfaces with the following Air Force instructions:


<u>Publication Number</u>	<u>Publication Title</u>	<u>Former Publication</u>
General Procedures		
AFI 32-7001	<i>Environmental Budgeting</i>	No Former Publication
AFI 32-7002	<i>Environmental Information Management System</i>	No Former Publication
👤👤 AFI 32-7005	<i>Environmental Protection Committee</i>	AFR 19-8
AFI 32-7006	<i>Environmental Program in Foreign Countries</i>	No Former Publication
👤 AFI 48-119	<i>Medical Service Environmental Quality Programs</i>	No Former Publication
👤 AFI 63-118	<i>Civil Engineer Research, Development, and Acquisition</i>	No Former Publication
Cleanup		
AFI 32-7020	<i>Environmental Restoration Program</i>	No Former Publication
Compliance		
👤 AFI 32-4002	<i>Hazardous Material Emergency Planning and Response Compliance</i>	(Formerly AFR 19-8, AFR 355-1)

<u>Publication Number</u>	<u>Publication Title</u>	<u>Former Publication</u>
AFI 32-7040	<i>Air Quality Compliance</i>	AFP 19-5
AFI 32-7041	<i>Water Quality Compliance</i>	AFP 19-5
AFI 32-7042	<i>Solid and Hazardous Waste Com- pliance</i>	AFP 19-5 and AFR 19-11
AFI 32-7044	<i>Storage Tank Compliance</i>	No Former Publication
AFI 32-7045	<i>Environmental Compliance Assessment and Management Program</i>	AFR 19-16
AFI 32-7047	<i>Compliance Tracking and Report- ing</i>	No Former Publication

Conservation

AFI 32-7060	<i>Interagency Intergovernmental Coordination for Environmental Planning</i>	AFR 19-9
 AFI 32-7061	<i>Environmental Impact Analysis Process</i>	AFR 19-2, AFR 19-3
AFI 32-7062	<i>Base Comprehensive Planning</i>	AFR 86-4
AFI 32-7063	<i>Air Installation Compatible Use Zone Program</i>	AFR 19-9
AFI 32-7064	<i>Natural Resources Management</i>	AFR 126-1
AFI 32-7065	<i>Cultural Resources Management</i>	AFR 126-7
AFI 32-7066	<i>Environmental Baseline Surveys for Real Estate Transactions</i>	No Former Publication

Pollution Prevention

Publication Number**Publication Title****Former Publication** AFI 32-7080*Pollution Prevention Program*

AFR 19-15